

Title (en)
LIGHT-CURING METHOD AND DEVICE FOR PRODUCING HEARING AID SHELLS USING LIGHT-CURABLE RESINS

Title (de)
VERFAHREN UND VORRICHTUNG ZUM LICHTHÄRTEN FÜR DIE HERSTELLUNG VON HÖRGERÄTESCHALEN AUS LICHTHÄRTBAREN HARZEN

Title (fr)
PROCEDE ET DISPOSITIF DE PHOTOPOLYMERISATION PERMETTANT DE PRODUIRE DES COQUILLES D'AIDE AUDITIVE AU MOYEN DE RESINES PHOTOPOLYMERISABLES

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Application
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Abstract (en)
[origin: WO03074248A1] An apparatus (10) is provided having a radiation curing chamber (16) and at least one tubular gas diffuser for (20) introducing an inert gas (e.g., argon) into the curing chamber (16) at a plurality of locations. The introduction of the inert gas limits the exposure to oxygen of any resin curing within the chamber (16) due to radiation curing, such as UV light-curing. Advantageously, the introduction at multiple locations provides for a more thorough blanket of inert gas in the curing chamber (16) than previously provided for in the prior art, and, thus, less oxygen inhibition. The apparatus(10) of the subject invention is particularly well-suited for the process of preparing hearing aid shells, but may be used in other light-curing applications.

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Citation (search report)
See references of WO 03074248A1

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